

IMPROVED EXPRESSION OF GENES IN PLANTS

Abstract

5 A method for improving the expression of genes in
plants making use of a pattern of codon usage discerned
for native plant genes which express preferentially.
The coding sequence of the gene for the Bacillus
thuringiensis delta endotoxin crystal protein was
analyzed and found to have codons not preferred by
plants. By constructing a synthetic protein coding
10 sequence including codons which are preferred in plant
genes, expression of the protein in plant cells was
improved.

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